

09/787194

JC02 Rec'd PCT/PTO 15 MAR 2001

SEQUENCE LISTING

<110> Japan Science And Technology Corporation

<120> Brain type organic anion transporter and its gene encoded

<130> PA907368

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<212> DNA

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Phe Val His Pro Pro Asn Ala Ser Leu Pro Asn Asp Thr Gln Arg	90
Ala Met Glu Pro Cys Leu Asp Gly Trp Val Tyr Asn Ser Thr Lys	105
Asp Ser Ile Val Thr Glu Trp Asp Leu Val Cys Asn Ser Asn Lys	120
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Pro ile Leu Thr Cys Ser Tyr Leu Leu Leu Ala Ala Ser Gly Ser	165
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Pro Gly Leu Ala Tyr Ala ile Pro Gln Trp Arg Trp Leu Gln Leu	240
Thr Val Ser ile Pro Phe Phe Val Phe Phe Leu Ser Ser Trp Trp	255
Thr Pro Glu Ser ile Arg Trp Leu Val Leu Ser Gly Lys Ser Ser	270
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Ser Leu Ala Trp Phe Ala Thr Gly Phe Ala Tyr Tyr Ser Leu Ala	345
Met Gly Val Glu Glu Phe Gly Val Asn Leu Tyr ile Leu Gln ile	360

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Ser Leu Ser Tyr Leu Gly Arg His Thr Thr Gln Ale Ale Ale Leu	390
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Asp Leu Gln Thr Val Arg Thr Val Leu Ala Val Phe Gly Lys Gly	420
Cys Leu Ser Ser Ser Phe Ser Cys Leu Phe Leu Tyr Thr Ser Glu	435
Leu Tyr Pro Thr Val Ile Arg Gln Thr Gly Met Gly Val Ser Asn	450
Leu Trp Thr Arg Val Gly Ser Met Val Ser Pro Leu Val Lys Ile	465
Thr Gly Glu Val Gln Pro Phe Ile Pro Asn Ile Ile Thr Gly Ile	480
Thr Ala Leu Leu Gly Gly Ser Ala Ala Leu Phe Leu Pro Glu Thr	495
Leu Asn Gln Pro Leu Pro Glu Thr Ile Glu Asp Leu Glu Asn Trp	510
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<211> 2191

<212> DNA

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<212> PRT

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Val His His Cys Arg Pro Pro Pro Asn Ala Ser Ile Gly Pro Trp	60
Val Leu Pro Leu Asp Pro Asn Gly Lys Pro Glu Lys Cys Leu Arg	75
Phe Val His Leu Pro Asn Ala Ser Leu Pro Asn Asp Thr Gln Arg	90
Ala Thr Glu Pro Cys Leu Asp Gly Trp Ile Tyr Asn Ser Thr Arg	105
Asp Thr Ile Val Ile Glu Trp Asp Leu Val Cys Ser Ser Asn Lys	120
Leu Lys Glu Met Ala Gln Ser Ile Phe Met Ala Gly Ile Leu Val	135
Gly Gly Pro Val Ile Gly Glu Leu Ser Asp Arg Phe Gly Arg Lys	150
Pro Ile Leu Thr Trp Ser Tyr Leu Met Leu Ala Ala Ser Gly Ser	165
Gly Ala Ala Phe Ser Pro Ser Leu Pro Val Tyr Met Ile Phe Arg	180
Phe Leu Cys Gly Cys Ser Ile Ser Gly Ile Ser Leu Ser Thr Val	195
Ile Leu Asn Val Glu Trp Val Pro Thr Ser Met Arg Ala Ile Ser	210
Ser Thr Ser Ile Gly Tyr Cys Tyr Thr Ile Gly Gln Phe Ile Leu	225
Ser Gly Leu Ala Tyr Ala Ile Pro Gln Trp Arg Trp Leu Gln Leu	240
Thr Ser Ser Ala Pro Phe Phe Ile Phe Ser Leu Leu Ser Trp Trp	255
Val Pro Glu Ser Ile Arg Trp Leu Val Leu Ser Gly Lys Tyr Ser	270
Lys Ala Leu Lys Thr Leu Gln Arg Val Ala Thr Phe Asn Gly Lys	285
Lys Glu Glu Gly Lys Lys Leu Thr Ile Glu Glu Leu Lys Phe Asn	300
Leu Gln Lys Asp Ile Thr Ser Ala Lys Val Lys Tyr Gly Leu Ser	315

Asp Leu Phe Arg Val Ser Ile Leu Arg Arg Val Thr Phe Cys Leu	330
Ser Leu Ala Trp Phe Ser Thr Gly Phe Ala Tyr Tyr Ser Leu Ala	345
Met Gly Val Glu Glu Phe Gly Val Asn Ile Tyr Ile Leu Gln Ile	360
Ile Phe Gly Gly Val Asp Ile Pro Ala Lys Phe Ile Thr Ile Leu	375
Ser Leu Ser Tyr Leu Gly Arg Arg Ile Thr Gln Ser Phe Leu Leu	390
Leu Leu Ala Gly Gly Ala Ile Leu Ala Leu Ile Phe Val Pro Ser	405
Glu Met Gln Leu Leu Arg Thr Ala Leu Ala Val Phe Gly Lys Gly	420
Cys Leu Ser Gly Ser Phe Ser Cys Leu Phe Leu Tyr Thr Ser Glu	435
Leu Tyr Pro Thr Val Leu Arg Gln Thr Gly Met Gly Ile Ser Asn	450
Val Trp Ala Arg Val Gly Ser Met Ile Ala Pro Leu Val Lys Ile	465
Thr Gly Glu Leu Gln Pro Phe Ile Pro Asn Val Ile Phe Gly Thr	480
Thr Ala Leu Leu Gly Gly Ser Ala Ala Phe Phe Leu Leu Glu Thr	495
Leu Asn Arg Pro Leu Pro Glu Thr Ile Glu Asp Ile Gln Asn Trp	510
His Lys Gln Val Gln Lys Thr Lys Gln Glu Ser Glu Ala Glu Lys	525
Ala Ser Gln Ile Ile Pro Leu Lys Thr Gly Gly	536